

Serverless and Event-Driven Applications with Knative (LFS246)

Learn how to deploy serverless applications using Knative on Kubernetes, manage event-driven workloads, and implement autoscaling strategies. You'll also configure Knative Serving and Eventing, handle traffic management, and set up monitoring and observability with tools like Prometheus and Grafana.

Duration: 3 Days

Prerequisites for this course

- It's recommended that learners have a basic understanding of containers, Kubernetes, and application development. Familiarity with event-driven architecture, including message brokers like Kafka and the producer-consumer or publisher-subscriber models, is also suggested.

Outline for this course

Chapter 1 – Course Introduction

Chapter 2 – Introduction to Serverless and Knative

Chapter 3 – Installation and Configuration of Knative

Chapter 4 – Knative Functions

Chapter 5 - Knative Serving

Chapter 6 - Autoscaling, Revisions, and Traffic Splitting (Advanced Knative Concepts)

Chapter 7 - Knative Eventing

Chapter 8 - Knative Best Practices